GRADE 6				
UNITS	UNIT TOPIC	CONTENT	INST DAYS	CYCLE
UNIT 1	Rituals, Routines, Lab Safety, Scientific Method, Engineering Design Method, 5E Instructional Model Structure and Function	LIFE SCIENCE	45	1
	Chapter 1: Classifying & Exploring Life • Characteristics of Life Chapter 2: Cell • Cells and Life • The Cell			
	 Moving Cellular Material Cells and Energy Chapter 3: From a Cell to Organism Levels of Organization Chapter 12: Animal Structure and Function Support, Control & Movement 			
	 Circulation & Gas Exchange Digestion & Excretion 			
UNIT 2	Microorganisms, Fungi, and Plants	LIFE	45	2
LINIT 2	(Energy Flow, Growth & Development) Chapter 7: Bacteria • What are bacteria? • Bacteria in Nature • What are viruses? Chapter 8: Protists & Fungi • What are protists? • What are fungi? Chapter 10: Plant Processes & Reproduction • Energy Processing in Plants • Plant Responses • Plant Reproduction	SCIENCE	45	2
UNIT 3	Growth, Development, and	LIFE	45	3
	Reproduction Chapter 9: Plant Diversity • What is a plant? • Seedless Plants • Seed Plants Chapter 11: Animal Diversity • What defines an animal? • Invertebrate Phyla • Phylum Chordata Chapter 13: Animal Behavior & Reproduction • Types of Behavior	SCIENCE		

GRADE 6				
UNITS	UNIT TOPIC	CONTENT	INST DAYS	CYCLE
	 Interacting with Others Animal Reproduction and Development 			
UNIT 4	Waves, Electricity & Magnetism Chapter 15: Waves What are Waves Wave Properties Wave Interactions Chapter 16: Sound Section 1: Producing & Detecting Sound Chapter 17: Electromagnetic Waves Section 2 Electromagnetic Spectrum Chapter 19: Electricity Electric Charge & Electric Forces Describing Circuits Chapter 20: Magnetism Magnets & Magnetic Forces Making an Electric Current with Magnet	PHYSICAL SCIENCE	45	4
UNIT 5	Body Systems (Accelerated Learners)) Chapter 14: Structure and Movement • The Skeletal System • The Muscular System Chapter 15: Digestion & Excretion • The Digestive System • The Excretory System Chapter 16: Respiration and Circulation • The Respiratory System • The Circulatory System Chapter 18: Control and Coordination • The Nervous System	LIFE SCIENCE		
			180	

(NOTE: Instructional days are based on McGraw Hill pacing guide of the individual lessons included in each unit)

GRADE	GRADE 7				
UNITS	UNIT TOPIC	CONTENT	INST DAYS	CYCLE	
UNIT 1	Rituals, Routines, Lab Safety, Scientific Method, Engineering Design Method, 5E Instructional Model Weather and Climate Chapter 12: Earth's Atmosphere Describing Earth's Atmosphere Energy Transfer in the Atmosphere Air Currents Chapter 13: Weather Describing Weather Weather Patterns Weather Forecasts Chapter 14: Climate Climates of the Earth Climate Cycles Recent Climate Changes	EARTH SCIENCE	30	1	
UNIT 2	Heredity, Natural Selection & Adaptation & Evolution Chapter 4: Reproduction of Organism	LIFE SCIENCE	30	1&2	
UNIT 3	Matter, Energy & Relationships in Organisms and Ecosystems Chapter 20: Matter and Energy in the Environment • Abiotic Factors • Cycles of Matter • Energy in Ecosystems Chapter 21: Population and Communities • Populations	LIFE SCIENCE	30	2	

GRADE 7				
UNITS	UNIT TOPIC	CONTENT	INST DAYS	CYCLE
	 Changing Populations Communities Chapter 22: Biomes and Ecosystems Land Biomes Aquatic Ecosystems How Ecosystems Change 			
UNIT 4	Structure and Properties of Matter Chapter 7: Foundations of Chemistry • Classifying Matter • Physical Properties Chapter 8: States of Matter • Solids, Liquids & Gases • Changes in State • The Behavior of Gases Chapter 9: Understanding Atoms • Discovering Parts of an Atom • Protons, Neutrons & Electrons Chapter 10: The Periodic Table • Using the Periodic Table	PHYSICAL SCI	45	3
UNIT 5	Chemical Reactions Chapter 11: Elements & Chemical Bonds • Electrons & Energy Level • Ionic & Metallic Bonds • Compounds, Chemical Formulas & Covalent Bonds Chapter 12: Chemical Reactions • Understanding Chemical Reactions • Types of Chemical Reaction • Energy Changes and Chemical Reactions Chapter 13: Mixtures, Solubility, & Acid/ Base Solutions • Substances and Mixtures • Properties of Solutions (Accelerated Learners: Earth Science, Chapter 15, Lesson 2: Properties of Water) • Acids and Bases	PHYSICAL SCIENCE	45	4
			180	

(NOTE: Instructional days are based on McGraw Hill pacing guide of the individual lessons included in each unit)

GRADE 8				
UNITS	UNIT TOPIC	CONTENT	INST DAYS	CYCLE
UNIT 1	Rituals, Routines, Lab Safety, Scientific Method, Engineering Design Method, 5E Instructional Model Forces and Motion Chapter 1: Describing Motion Position and Motion Speed and Velocity Acceleration Chapter 2: The Laws of Motion Gravity & Friction Newton's First Law Newton's First Law Newton's Second Law Newton's Third Law Chapter 4: Forces and Fluids Pressure & Density of Fluids Buoyant Force Other Effects of Fluid Forces	PHYSICAL SCIENCE	45	1
UNIT 2	Dynamic Earth Systems Chapter 4: Rocks Rocks and the Rock Cycle Chapter 5: Weathering and Soil Weathering Soil Chapter 6: Erosion and Deposition Erosion and Deposition Process Landforms Shaped by Water & Wind Mass Wasting & Glaciers Chapter 7: Plate Tectonics Continental Drift Hypothesis Development Of a Theory The Theory of Plate Tectonics (Accelerated Learners, Chapter 8, Lesson 2: Landforms at Plate Boundaries) Chapter 8: Earth Dynamics Forces that Shape Earth Mountain Building	EARTH SCIENCE	45	2
UNIT 3	Forms of Energy Chapter 6: Thermal Energy • Thermal Energy, Temperature & Heat • Thermal Energy Transfers • Using Thermal Energy Chapter 5: Energy & Energy Resources	PHYSICAL SCIENCE	30	3

GRADE 8				
UNITS	UNIT TOPIC	CONTENT	INST DAYS	CYCLE
	 Forms of Energy Energy Transformations Chapter 18: Natural Resources (Earth Science) Energy Resources Renewable Energy Resources Land Resources Air & Water Resources 			
UNIT 4	Human Impacts (Stability and Change on Earth) Chapter 15: Earth's Water • The Water Planet • Water Quality Chapter 16: Oceans • Environmental Impacts on Oceans Chapter 17: Freshwater • Glaciers and Polar Ice Sheets • Groundwater and Wetlands Chapter 9: Earthquakes & Volcanoes • Earthquakes	EARTH SCIENCE	30	3 &4
UNIT 5	Astronomy Chapter 20: The Sun-Earth-Moon System • Earth's Motion • Earth's Moon • Eclipses and Tides Chapter 21: The Solar System • The Structure of the Solar System • Inner Planets • Outer Planets Chapter 22: Stars and Galaxies • View from the Earth • The Sun & Other Stars • Evolution of the Stars • Galaxies & the Universe	EARTH SCIENCE	30	4
			180	

(NOTE: Instructional days are based on McGraw Hill pacing guide of the individual lessons included in each unit)